

12V General Power Requirements

Power Source	Maximum Length of Flex Strip Lighting												Max # Pro Series Panels		Max # Designer Panels	
	Normal Bright		Super Bright		Ultra Bright		Mega Bright		COB		Double Row UB		21-LED	42-LED	10"	18"
20 Watt Dimmable Transformer	256"	(16W)	128"	(16W)	70"	(16W)	64"	(16W)	53"	(16W)	34"	(16W)	10	5	10	5
2 AMP Plug-In Power Supply (24W)	312"	(19.5W)	156"	(19.5W)	85"	(19.5W)	78"	(19.5W)	65"	(19.5W)	45"	(19.5W)	12	6	12	6
40 Watt Dimmable Transformer	512"	(32W)	256"	(32W)	140"	(32W)	128"	(32W)	107"	(32W)	70"	(32W)	22	11	22	11
60 Watt Dimmable Transformer	768"	(48W)	384"	(48W)	210"	(48W)	192"	(48W)	160"	(48W)	109"	(48W)	32	16	32	16
5 AMP Plug-In Power Supply (60W)	768"	(48W)	384"	(48W)	210"	(48W)	192"	(48W)	160"	(48W)	109"	(48W)	32	16	32	16
60 Watt Mean Well Direct-Wire Driver	864"	(54W)	432"	(54W)	235"	(54W)	216"	(54W)	180"	(54W)	117"	(54W)	36	18	36	18
100 Watt Dimmable Transformer	1280"	(80W)	640"	(80W)	350"	(80W)	320"	(80W)	267"	(80W)	175"	(80W)	54	27	54	27
200 Watt Dimmable Transformer	2560"	(160W)	1280"	(160W)	698"	(160W)	640"	(160W)	533"	(160W)	350"	(160W)	106	53	106	53
264 Watt Mean Well (HLG-320) Driver	3792"	(237W)	1896"	(237W)	1034"	(237W)	948"	(237W)	790"	(237W)	517"	(237W)	158	79	158	79
300 Watt Dimmable Transformer	3840"	(240W)	1920"	(240W)	1047"	(240W)	960"	(240W)	800"	(240W)	524"	(240W)	160	80	160	80

* **Voltage Drop for Normal Bright** : Individual runs over **340"** may experience visible voltage drop. To minimize, power long runs from the center. Maximum recommended run length is **680"**.

* **Voltage Drop for Super Bright** : Individual runs over **210"** may experience visible voltage drop. To minimize, power long runs from the center. Maximum recommended run length is **240"**.

* **Voltage Drop for Ultra Bright** : Individual runs over **152"** may experience visible voltage drop. To minimize, power long runs from the center. Maximum recommended run length is **304"**.

* **Voltage Drop for Mega Bright** : Individual runs over **144"** may experience visible voltage drop. To minimize, power long runs from the center. Maximum recommended run length is **288"**.

* **Voltage Drop for COB** : Individual runs over **144"** may experience visible voltage drop. To minimize, power long runs from the center. Maximum recommended run length is **288"**.

** **Power Source Load** : For best performance and longevity, operate transformers at **no more than 80%** of their rated capacity.

*** **Please Note** : Power requirements may vary depending on system configuration. Values shown are conservative estimates for general reference. For assistance with complex systems, contact orders@inspiredled.com or design@inspiredled.com